

CLAIMS

What is claimed is:

- 5 1. A method for embellishing an architectural structure, the method comprising the steps
of:
receiving information indicative of a dimension of the architectural structure;
receiving information indicative of a selected embellishment of the architectural
structure along the dimension;
10 selecting a mold to construct the selected embellishment;
associating the mold with dimension information that includes a minimum dimension
and a maximum dimension of the selected mold; and
using the dimension of the architectural structure and the dimensional information of
the selected mold to calculate how many segments of the selected
15 embellishment are required, and a dimension of each of the segments of the
selected embellishment.

2. The method as recited in claim 1, wherein the selected embellishment is cast stone.

3. The method as recited in claim 1, wherein the using the dimension of the architectural structure and dimensional information of the selected mold to calculate a dimension of the

5 selected embellishment comprises:

accessing a library of molds to obtain the dimensional information of the selected mold.

4. The method as recited in claim 3, wherein the library of molds comprises dimensional
10 information corresponding to a plurality of molds.

5. The method as recited in claim 4, wherein a first portion of the molds within the library of molds have a fixed dimension, and wherein a remainder of the molds have a variable dimension.

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6. The method as recited in claim 1, wherein the dimension of the architectural structure is received from a library of architectural structures.

7. The method as recited in claim 6, wherein the library of architectural structures
20 includes a manufacturer name and a model number.

8. The method as recited in claim 1, wherein the dimension of the architectural structure is received via a manual input.

9. The method as recited in claim 1, wherein the architectural structure is selected from the group consisting of: a window, a column, and a fireplace.

10. The method as recited in claim 9, wherein in the event the architectural structure is a window, the selected embellishment includes a trim style, a keystone style, and/or a sill style.

11. The method as recited in claim 9, wherein in the event the architectural structure is a column, the selected embellishment includes a shaft style, a base style, and/or a capital style.

12. The method as recited in claim 1, further comprising:
receiving information indicative of a selected characteristic of the selected embellishment.

13. The method as recited in claim 12, wherein the selected characteristic of the selected embellishment includes a color, a texture, a material, shape, and/or a cross sectional pattern.

14. The method as recited in claim 1, further comprising:
generating a list of materials specifying the selected mold and the calculated
dimension of the selected embellishment.

15. The method as recited in claim 1, further comprising:
generating a shop drawing illustrating the architectural structure and the selected
embellishment.

16. A method for embellishing an architectural structure, comprising:
- receiving information indicative of a dimension of the architectural structure;
- receiving information indicative of a first selected embellishment of the architectural structure along the dimension;
- 5 receiving information indicative of a second selected embellishment of the architectural structure along the dimension;
- selecting a first mold to construct the first selected embellishment;
- selecting a second mold to construct the second selected embellishment; and
- using the dimension of the architectural structure, dimensional information of the first
- 10 mold, and dimensional information of the second mold to calculate a dimension of the second selected embellishment.

17. The method as recited in claim 16, wherein the first mold has a fixed dimension and the second mold has a variable dimension.

18. The method as recited in claim 17, wherein the dimensional information of the second mold comprises a minimum dimension and a maximum dimension of the second mold.

19. The method as recited in claim 18, wherein the using the dimension of the architectural structure, dimensional information of the first selected mold, and dimensional information of the second selected mold to calculate a dimension of the first selected

embellishment comprises:

accessing a library of molds to obtain the dimensional information of the first mold;

subtracting the fixed dimension of the first mold from the dimension of the

architectural structure to obtain a remainder dimension;

accessing the library of molds to obtain the dimensional information of the second

mold;

using the remainder dimension, the minimum dimension of the second mold, and the

maximum dimension of the second mold to calculate a required number of

sections of the second selected embellishment and a dimension of each of the

sections, wherein the dimension of each of the sections is: (i) greater than or

equal to the minimum dimension of the second mold, and (ii) less than or

equal to the maximum dimension of the second mold, and wherein a sum of

the dimensions of the sections is substantially equal to the remainder

dimension.

20. The method as recited in claim 16, further comprising:

generating a list of materials specifying the first and second molds, the required
number of sections of the second selected embellishment, and the calculated
dimension of each of the sections.

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21. The method as recited in claim 16, further comprising:

generating a shop drawing illustrating the architectural structure, the first and second selected embellishments, and a relative positioning of the first and second selected embellishments with respect to the architectural structure.

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22. The method as recited in claim 21, wherein the generating the shop drawing comprises:

accessing a library of architectural structures to obtain a graphical representation of the architectural structure;

10 accessing a library of molds to obtain graphical representations of the first and second selected embellishments; and

using the graphical representation of the architectural structure and the graphical representations of the first and second selected embellishments to generate an image of the architectural structure and the first and second selected embellishments, wherein the image indicates the relative positioning of the first and second selected embellishments with respect to the architectural structure.

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23. A method for embellishing an architectural structure, comprising:

receiving information indicative of a dimension of the architectural
structure;

receiving information indicative of a plurality of embellishments of the architectural

5 structure along the dimension, wherein the plurality of embellishments

comprises a first embellishment having a fixed dimension and a second

embellishment having a variable dimension;

selecting a first mold to construct the first embellishment;

selecting a second mold to construct the second embellishment, wherein the

10 second mold has a minimum dimension and a maximum dimension; and

calculating, using the dimension of the architectural structure, dimensional

information of the first mold, and the minimum and maximum dimensions of

the second mold, a required number of sections of the second embellishment

and a dimension of each of the sections of the second embellishment, wherein

15 the dimension of each of the sections of the second embellishment is: (i)

greater than or equal to the minimum dimension of the second mold, and (ii)

less than or equal to the maximum dimension of the second mold, and wherein

the sum of the fixed dimension of the first embellishment and the calculated

dimensions of all of the sections of the second embellishment is substantially

20 equal to the dimension of the architectural structure.

24. The method as recited in claim 23, further comprising:

receiving information indicative of a selected characteristic of the selected embellishment.

5 25. The method as recited in claim 24, wherein the selected characteristic of the selected embellishment includes a color, a texture, a material, shape, and/or a cross sectional pattern.